

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/812,839
Source: IFW0
Date Processed by STIC: 11/26/04

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/812,839

DATE: 11/26/2004

TIME: 10:07:53

Input Set : A:\U 0151217.ST25.txt
 Output Set: N:\CRF4\11262004\J812839.raw

3 <110> APPLICANT: BHARADWAJ, LALIT M.
 4 SHUKLA, AWDHESH KUMAR
 5 BHONDEKAR, AMOL P.
 6 KUMAR, RAKESH
 7 BAJPAI, RAM PRAKASH
 9 <120> TITLE OF INVENTION: METHOD FOR STRONG INFORMATION IN DNA
 11 <130> FILE REFERENCE: U 0151217
 13 <140> CURRENT APPLICATION NUMBER: 10/812,839
 14 <141> CURRENT FILING DATE: 2004-03-30
 16 <160> NUMBER OF SEQ ID NOS: 7
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 16
 22 <212> TYPE: DNA
 23 <213> ORGANISM: ARTIFICIAL
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: ENCRYPTED MESSAGE WHEREIN DNA BASES REPRESENT CHARACTERS OF
 27 ASCII CHARACTER SET
 29 <400> SEQUENCE: 1
 30 tatgtttctta ttttac 16
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 28
 35 <212> TYPE: DNA
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 38 <220> FEATURE:
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 42 <400> SEQUENCE: 2
 43 ttagtacata gctatgtacc taactaca 28
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 44
 48 <212> TYPE: DNA
 49 <213> ORGANISM: ARTIFICIAL
 51 <220> FEATURE:
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 55 <400> SEQUENCE: 3
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 59 <210> SEQ ID NO: 4
 60 <211> LENGTH: 20
 61 <212> TYPE: DNA
 62 <213> ORGANISM: ARTIFICIAL
 64 <220> FEATURE:

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65 <223> OTHER INFORMATION: ENCRYPTED MESSAGE WHEREIN DNA BASES REPRESENT CHARACTERS OF
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 68 <400> SEQUENCE: 4
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 72 <210> SEQ ID NO: 5
 73 <211> LENGTH: 16
 74 <212> TYPE: DNA
 75 <213> ORGANISM: ARTIFICIAL
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: ENCRYPTED MESSAGE WHEREIN DNA BASES REPRESENT CHARACTERS OF
 79 ASCII CHARACTER SET
 81 <400> SEQUENCE: 5 16
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 85 <210> SEQ ID NO: 6
 86 <211> LENGTH: 16
 87 <212> TYPE: DNA
 88 <213> ORGANISM: ARTIFICIAL
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 92 ASCII CHARACTER SET
 94 <400> SEQUENCE: 6 16
 95 tatgtttcta ttttacc
 98 <210> SEQ ID NO: 7
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 100 <212> TYPE: DNA
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 103 <220> FEATURE:
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 105 ASCII CHARACTER SET
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 116 ggttagcaagc ctgcgtataa tctccaaatg tccaaagctt attgtttca ataacgtgat 300
 118 ccttacctg cacattagta ttatcaccag cgtgcaccca tgcggcgcc aacattgctg 360
 120 gacttcgacg cgcgtcgatcg tgccctctga gtgaatgatt gtgcactg tggggggcg 420
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 124 atcgatcgcc cgtcgccatcgatcgatcgatcgatcgatcgatcgatcgatcgatcg 540
 126 tcagctcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcg 600
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 140 ttataatccatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcg 1020
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 144 cggccggatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcgatcg 1140

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| 148 | ggtaggcgt | tgggggtggat | cgcgcttgg | ctcctcggt | gatttgcgt | ccgagccgt | 1260 |
| 150 | aatgatgt | cagaaggaga | tcgagataga | cacgatactt | atcagtctgt | gtgtatgtac | 1320 |
| 152 | gttcgtccgt | gcgtgggtag | gttgggtcgat | cgattgatct | acgtaatcc | cactctgcgg | 1380 |
| 154 | cgtgacataa | tgaattaccc | gcgcggccact | gtgctgcga | acccagttt | ctcagttat | 1440 |
| 156 | ccgactatgc | cacggtacaa | aatatccgg | gtgcattccg | ctttgcaaat | aatctaaag | 1500 |
| 158 | cgttacgtt | ttgtaaagat | cgttaatttac | gaagcggtcg | ttaattaatc | tgagggtcag | 1560 |
| 160 | atgaatacat | ttaaaccatg | cagtatttca | tcagtcgtat | cgcaaaactt | tagacgctga | 1620 |
| 162 | atattaggt | tgattaatga | taacgcgtgt | gacaatttacg | tgtttaagcg | caattaattc | 1680 |
| 164 | tggtagcg | atgcctgtca | aggcggtcct | acaacttagt | tcgatcctt | cgactggaa | 1740 |
| 166 | atggctctac | acacggaccc | cccaaacc | ttatagttac | ctagtcctt | aaaaccatac | 1800 |
| 168 | tagttggct | ttattgtat | taagactaag | cttacgtcct | gactcgcgat | taatggacac | 1860 |
| 170 | acgttcc | acaagctct | cggggccat | atatatgcct | gacgccagaa | actggctc | 1920 |
| 172 | ttctcgat | gaagcgaccc | aaagcgcgt | gtatcggt | cgaatccaa | taagatgc | 1980 |
| 174 | cgcgcgcggc | ggatcaatct | tacgagactc | aggtactagt | ggtatcg | ctgccttgc | 2040 |
| 176 | acgcttaat | cgtacttcgt | cgcgattgt | tgtattataa | acaatcagca | aattaaatcg | 2100 |
| 178 | atggcgact | ttataaagct | aaactacgc | tttaagttac | gctgtgt | cagctgaggc | 2160 |
| 180 | cgttcctt | agttccatac | attctatcaa | tagcgttcc | tgcctaggt | tggctctag | 2220 |
| 182 | ggctatctt | ctaaagttga | ctcagagaga | attacctcg | aataaaacaa | cacgcggcag | 2280 |
| 184 | tcagatttt | tcactat | tacgtaacta | gggtgatctc | cgaaatgtca | actccggcc | 2340 |
| 186 | cccacacgt | ggtgagatc | tccctcgccc | tggcttct | gactagacgt | tagggcatgc | 2400 |
| 188 | acatacg | acgaaattgt | taacgcggaga | cgatagaatt | tataacctt | ccaccatcta | 2460 |
| 190 | gtatgagg | ttcatacg | gcccttctcc | taataggaac | gtacactaaa | ttaattgc | 2520 |
| 192 | tgctaccat | gcgactact | tggataacg | gcctgcgg | gtcgtcggt | gaactatct | 2580 |
| 194 | atcggtcg | tctatagca | ggcttacgt | gctaacta | ttacatagta | ggactatgc | 2640 |
| 196 | cacacgg | gcacatacc | gactatcg | tcccagagac | tacggt | aaagccaggc | 2700 |
| 198 | ttagtttac | acattaacc | atggcg | ggggactt | tgcgtcg | ataatcg | 2760 |
| 200 | ggcatca | tcctgcgt | atggcgaa | tgcgt | actctatgg | taacaactgc | 2820 |
| 202 | taggtgc | ggagccgacc | gccgcgac | acaagataga | cacgtctaa | cagtcgtt | 2880 |
| 204 | tcatcaac | catcg | gccgatcg | gtggcaca | caaattga | agaaggcata | 2940 |
| 206 | ctatatcg | tacttgg | ggggcac | ggcgtccaa | accgtt | aaaagatct | 3000 |
| 208 | tttctaatt | atcg | tgttggaa | tctcttcc | taacgt | cgcaata | 3060 |
| 210 | atcgattgg | cacctcttcc | cagg | gtgaagt | gacat | gaaccccg | 3120 |
| 212 | gggacaga | gcagtcttcc | ctgctt | tcgttgg | cagct | gcagtcaggc | 3180 |
| 214 | gcccgtgg | gcccctc | cgat | ggat | tttgc | acgttt | 3240 |
| 216 | cagaattgc | aatgac | agccttcc | catatgt | tgcctct | catccgaa | 3300 |
| 218 | ggcgatgg | gtctctaa | gatttctt | gtcgcg | acttgc | caagataa | 3360 |
| 220 | acagatgg | ctcctg | acatctt | tgcgtt | atgg | ccctgttccc | 3420 |
| 222 | ggcccaacc | gttaagc | actatgt | tcgac | atggat | atccggcc | 3480 |
| 224 | tccgtgt | acaatcc | gactctgt | tttgc | atgcact | tctcatcg | 3540 |
| 226 | tccgtgt | atgttgc | gttgcgc | tatacgg | ctctgt | ggcctagg | 3600 |
| 228 | gaagggg | caacacgg | tacatagg | ctacag | ctgtc | tgatgt | 3660 |
| 230 | ttccctcaat | taatgtc | atcg | gat | aggcag | tcggagc | 3720 |
| 232 | tggcgccg | atattgat | tgacag | atacag | ccca | ctcgccg | 3780 |
| 234 | gacgcaaa | tgatatt | tacgatgg | agcatt | cgac | atatcata | 3840 |
| 236 | gtttagg | tttatcg | tattgt | atttgg | gtgcgaa | atc | 3900 |
| 238 | gtgcgaa | atata | tgatgt | tggt | cagtgt | cata | 3960 |
| 240 | cgttgcgt | gacgcg | attt | aagg | ctc | taatcg | 4020 |
| 242 | agtg | cagcat | ggcacca | ttccgagg | aaacgc | cagt | 4080 |

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|-----|-------------|-------------|-------------|------------|-------------|-------------|------|
| 244 | ctctaataatc | ttacacgttt | gtgggattat | agggatcaca | tggccacggc | ctgtaatatt | 4140 |
| 246 | gtcatgtac | ccggatgata | ccgaaatact | aaaatggag | gggttctagg | tcatgtaac | 4200 |
| 248 | tgcctggggc | tcatggagtt | gtagagttat | caacaggatc | tcggaattcc | cgtaaaggcg | 4260 |
| 250 | atctccttgc | cgataagttt | gtgctgctgc | ccgtcttcgc | gccggaacgc | gcttccaaat | 4320 |
| 252 | tctccctact | aacgcatgt | gatgcaccat | tggagattc | tggatgggc | gtttatcgaa | 4380 |
| 254 | acgagtgttt | gtctataatg | catgacgagg | tctctgtgg | gtagaattgg | tgatttggaa | 4440 |
| 256 | gcgatacggg | ttatagtctc | acgtactgt | ggactagtt | gctgtaaagg | atcgaatact | 4500 |
| 258 | tcgacacgat | gacgttagga | gccacgcgt | caaggactgc | ccagtggct | actatctatc | 4560 |
| 260 | ttaaacagat | tgagggggag | cggtccgcgt | gatthaattt | tagcatcggt | cgctggtaa | 4620 |
| 262 | cttttagtat | cgcgcctta | aagaatctaa | tctccgttag | tgtcgggttg | atttctcg | 4680 |
| 264 | aaatagaact | aattcaattt | cttatctgc | tgatcgattc | ggaagccagg | gtgggttaggg | 4740 |
| 266 | tagttacgta | cgcctgaatc | tgaaccatca | gtcgtatga | attactgaag | acgcgcgtat | 4800 |
| 268 | cctggataaa | attatcgct | atgtcccaac | taatggcact | acaggctcag | agcatgtac | 4860 |
| 270 | tgtgttagtga | gatccgctta | tcgccccatt | cgtggcgcg | ttatgccact | gagtaacaag | 4920 |
| 272 | tgtatgtccag | tgtctaatac | gaccgctcg | gtcgatggc | aagcggcaca | gtgacattaa | 4980 |
| 274 | ctttgtctt | cacattgaac | aaattctccc | acttcagcac | atgtacccccc | tgctgcatac | 5040 |
| 276 | agaccaggc | ttttgtccac | accttgcacg | ggtgcctgaa | tgcctttccg | ctggcctaag | 5100 |
| 278 | ccagtgacgt | gaatgtaaag | agcgctcgca | ctgtagtc | ggagaattat | aatcgataga | 5160 |
| 280 | taaatacgtg | gcbcaccacc | ccaaacatct | cgcggctgt | tactagaaat | tgtgtatacc | 5220 |
| 282 | gtgggggtga | ttaaaaaatg | gtgagacgtg | ctgtatggc | tttgtatct | ctgctactat | 5280 |
| 284 | tgggtgctgc | ataaaatcgta | cctccaaactt | gaggcatcat | agctacggaa | cccgtaaaat | 5340 |
| 286 | tggtcatata | cgcaaacaca | acagtaagta | ggtggagccg | aagtgcgtc | gtggccgaag | 5400 |
| 288 | acaacaacct | ttgcccattgc | cttaaagact | gctgtataac | cgtcttccca | tcaggaggtg | 5460 |
| 290 | aaggcgatata | gtaatctat | aggtattgtat | ggcaagaggt | cgaaacccag | cttactcgat | 5520 |
| 292 | agcgttgcgt | atcgcgcttc | ctgtgtccct | tcttacaaag | tggatagca | tcatagacag | 5580 |
| 294 | gcatccgggt | ccaaatcgccg | aacgcgtac | gcatcgatc | attaattaca | gtgtcgatt | 5640 |
| 296 | acatctagta | tgtatttagt | ggcaccgcg | gtacagcat | gacaggcgct | cacggacaca | 5700 |
| 298 | aaacacgcgtc | aacaaaagtt | aggtatgggt | ggcgcagg | aaaaacgc | gctctgtat | 5760 |
| 300 | ggtcctaagt | aattgcagca | tgtcttgaga | tctcatagct | accgttca | gaacgatatt | 5820 |
| 302 | agctaacttt | cccttcgtc | tcattactta | tgcggcttc | atcgcggtt | ccggctggta | 5880 |
| 304 | agatacgtaa | gctacactag | taagcatact | gcaggtatga | gccgatcctg | caattaccca | 5940 |
| 306 | tattggtttt | tgtatttaca | cgtatggcg | ttacacttct | taaactagaa | ctcgttact | 6000 |
| 308 | aattcttgcgt | tcataactcat | ggcaatagca | tgatctcgta | ttaccatgtt | atacgtatc | 6060 |
| 310 | atagtgtgcc | aacagtaacgt | taacctacaa | tgctccacgc | cgaccctgt | gaacagcat | 6120 |
| 312 | atactatata | cccgccatc | gcccacccgt | aactgcagat | catggatga | ccgctctacg | 6180 |
| 314 | tggatattaa | tcgggtggcc | ctatagataa | atattttac | caccgcctg | ggatataatag | 6240 |
| 316 | gcccgtcagca | cgtttatgtc | ctagtcgca | gtacgcgc | attaatataa | cagctgtcag | 6300 |
| 318 | taagggtcca | gaattctagg | gccgatgaat | tacaagcagg | tgaatagata | cgattggat | 6360 |
| 320 | attatcaca | caactcgca | atggattatc | agtacgagcc | acggccc | acattattca | 6420 |
| 322 | ccaaacgggt | taggtgacgc | cagtgcgtgc | tgctactaca | atgcacgc | ggtgggtacg | 6480 |
| 324 | gttaaggtag | ctcgccgcgc | atagatgata | ctggcccgag | accagttct | ctatattaac | 6540 |
| 326 | ctagtaagac | aggcctggcc | cggaaaccgt | ttctgtaccc | cgaccctagta | taagactact | 6600 |
| 328 | ggcccgctag | cggactattg | acaaatcg | cgtagaaat | gcctggccg | tctggcgtcg | 6660 |
| 330 | gtttctttag | ctataccttgc | taattaaata | ctggaccaac | cacagttct | tcagagtaac | 6720 |
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| 334 | ggccacagg | cagtttcttgc | agcaccagct | tgtatctgt | gcctggc | ttgtcccctt | 6840 |
| 336 | ctccaaatcg | agttgttcc | cgaatactgg | tgctatgcct | aattcttagta | gataacctcg | 6900 |
| 338 | ttaccaagct | cgtttgttcc | aaaagtctct | tgttcccgac | gacgtagcca | atagcggc | 6960 |
| 340 | ctcggtcagt | ctctcgagct | ctccagcg | ggccatgc | ttcgctagtc | cgccctctgg | 7020 |

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|-----|-------------|-------------|------------|-------------|-------------|------------|------|
| 342 | tcctataacct | ggttcccccg | agcgggggcc | aacacacacg | ctgctctcaa | agctggttca | 7080 |
| 344 | ggagcgctgg | acccttccaa | gtctctaatt | cagtctctag | tttagagattt | ctggagccat | 7140 |
| 346 | gctcccctct | tatgacaact | gaggttatgt | tagcctggag | cttagatacc | ctctcacgcg | 7200 |
| 348 | ccctgacgtt | ctattgttagt | ggaactacat | tcccgtccca | cgataactga | cgtcgtactc | 7260 |
| 350 | gcgttgaaca | ctagtaccgt | ccgacaccgg | cgatgtctt | agtttagtgg | tacttgcgc | 7320 |
| 352 | ccttccaaca | aaagaagacg | tctcaatagc | gtggtaccgt | ttttccgtcc | tactctcacg | 7380 |
| 354 | gagatcacta | tgttagttca | gctcagggt | gtcctttaaa | acatagaatc | cgttaggagg | 7440 |
| 356 | tttaggggcc | ccccgtccct | ctcacgacga | aataataaaat | aggggggagc | tcggaccgt | 7500 |
| 358 | ccgtcataacc | agagaatcta | agggctgggg | gaggattaga | ccgtccatcc | tgtcaaagga | 7560 |
| 360 | tgcacgtgca | gaggaagagt | acacccatcc | cagcgaaaag | tctatcctca | tcctgggggt | 7620 |
| 362 | cctgaaaacc | atccctctgtc | tgagagtatg | ttgaggagcg | ggatgtatggc | gaccctcccc | 7680 |
| 364 | aaccggggcc | ctctggtcgg | cctatagttt | cagagatgaa | ttagctaagg | ttgttagctt | 7740 |
| 366 | ttttccatag | ggttttgttc | cgaccatcc | ggtcgtgtag | cgcgattgac | ttgcggggtt | 7800 |
| 368 | gtgtccccgt | atccaggtca | cgacctcatg | ggaaactagt | ggctgtccgg | cagtatcctg | 7860 |
| 370 | gtacgcacct | catgtggtat | gcgtggctgt | tggccgtat | atggacctat | atatggatcg | 7920 |
| 372 | aagc | | | | | | 7924 |

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7

VERIFICATION SUMMARY

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